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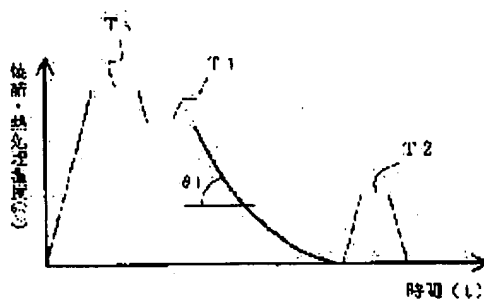
(21)Application number : **2002-047239** (71)Applicant : **HITACHI METALS LTD**

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(54) **METHOD FOR MANUFACTURING R-T-B SINTERED MAGNET**



(57)Abstract:

PROBLEM TO BE SOLVED: To provide a manufacturing method by which an R-T-B sintered magnet having high magnetic properties can efficiently be manufactured.

SOLUTION: The R-T-B based magnetic powder containing an R₂T₁₄B intermetallic compound (wherein, R is one or more kinds among rare-earth elements including Y; and T contains Fe, Co and Cu and the contents of Co and Cu are 0.1 to 5% and 0.01 to 1%, respectively, when the total quantity of R, T and B as main components is 100% by mass ratio) as a main phase is compacted and the resultant green compact is sintered. The

resultant sintered compact is subjected, while being held at $\geq 300^{\circ}\text{C}$, to primary heat treatment at 750 to $1,000^{\circ}\text{C}$ and then to secondary heat treatment at 430 to 480°C .

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